Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for utilizing shared resources in a computerized system, with the aid of a processor for processing a plurality of commands to be executed using ~~one~~ two or more of said shared resources, wherein at least one command of said plurality comprises two or more sub-commands to be executed at different said two or more shared resources, the method comprising steps of :

[[-]] deriving, from each of said plurality of commands, subcommands respectively related to said ~~one or more~~ shared resources,

[[-]] assigning priorities to said subcommands,

[[-]] forwarding said subcommands to one or more queues of the respective ~~one~~ two or more shared resources, so that each of said queues ~~comprising~~ comprises the subcommands related to a particular shared resource,

thereby ensuring execution of the subcommands from said queues by said shared resources in an asynchronous manner, and according to said subcommand priorities by each of the shared resources.

2. (Original) The method according to Claim 1, further comprising a step of assigning different command priorities to said commands, wherein the command priorities set an order of their urgency.

3. (Original) The method according to Claim 2, wherein the step of assigning priorities to said subcommands comprises assigning to them the priority equal to that of the command from which the subcommands are derived.

4. (Currently amended) The method according to Claim 1, wherein the step of assigning priorities to said subcommands comprises defining one group of the subcommands as critical subcommands for execution of their respective commands having higher priorities, and another group of the subcommands as non-critical commands for execution of their respective commands with lower priorities, wherein priorities of the critical subcommands are higher than priorities of the non-critical subcommands.

5. (Original) The method according to Claim 4, wherein the step of assigning priorities to the subcommands comprises assigning to each subcommand a combined priority; the combined priority being determined based on the

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subcommand's priority in the command and the priority of said command.

6. (Currently amended) The method according to Claim 1, further comprising steps of:

[[-]] in each of the shared resources, upon executing the subcommands from the subcommand queue according to the subcommand priorities, obtaining respective responses of successful completion and outputting thereof into a response queue of the shared resource;

[[-]] forwarding each of the responses from the response queues to the command from which the corresponding subcommand was derived, for further creating reports of successful completion relating to said commands.

7. (Currently amended) The method according to Claim 6, further comprising a step of issuing a ~~critical part~~ partial report ~~from~~ with respect to a particular command before completing its execution, but upon receiving ~~by the~~ , with respect to said particular command, of one or more said responses of successful completion concerning the respective subcommands having high priority, in order to initiate urgent execution of another command ~~or operation~~ of said plurality.

8. (Currently amended) A control system for utilizing shared resources, the control system comprising one or more command processors for processing a plurality of commands, each of said command processors being capable of cooperating with ~~one~~ two or more said shared resources;

each of said command processors being operative to:

[[-]] derive, from ~~each~~ a command of said plurality ~~command~~, subcommands to be respectively ~~related to~~ executed at said ~~one~~ two or more shared resources,

[[-]] assign priorities to said subcommands,

[[-]] forward said subcommands to the respective two or more shared resources for execution,

[[-]] receive from said shared resources responses of successful completion concerning ~~to~~ the respective subcommands, and

[[-]] based on the responses ~~to~~ concerning said subcommands, form reports of successful completion concerning ~~to~~ the respective commands.

9. (Currently amended) The control system according to Claim 8, further comprising a higher level processor capable of cooperating with said command processors considered lower level processors;

said higher level processor being operative to distribute

the commands between said command processors, and receive from

said command processors reports <u>of successful completion</u>

<u>concerning the</u> ~~to~~ respective commands.

10. (Original) The control system according to Claim

9, wherein the higher level processor is operative to sort the

commands by priorities between said command processors.

11. (Currently amended) The control system

according to Claim 8, wherein <u>each of</u> said command processors

~~are~~ <u>is</u> capable of dividing said subcommands into <u>a group of</u>

critical subcommands <u>being critical for execution of their</u>

<u>respective commands</u> ~~having higher priorities~~, and <u>a group of</u>

non-critical subcommands <u>being non-critical for execution of</u>

<u>their respective commands</u>~~having lower priorities~~,<u>wherein</u>

<u>priorities of the critical subcommands are higher than</u>

<u>priorities of the non-critical subcommands</u> .

12. (Currently amended) The control system

according to Claim 11, wherein at least one of said command

processors is capable of issuing a ~~critical part~~ <u>partial</u>

report <u>with respect to a particular command of said plurality,</u>

<u>before the particular command is completely executed,</u> the

partial report is based on one or more said responses of

successful completion concerning ~~to~~ the critical subcommands

of ~~a~~ the particular command~~, said critical part report being~~

~~issued before the particular command is completely executed~~.

13. (Currently amended) The control system according

to ~~Claims~~ Claim 8, additionally comprising

~~one~~ two or more input memory buffers respectively associated

with said ~~one~~ two or more of the shared resources, for

gathering and queuing said subcommands to be input to the

shared resource, and

~~one~~ two or more output memory buffers for queuing responses

when outputted from the respective shared resources.

14. (Original) The control system according to Claim

13, wherein said input memory buffers are capable of sorting

the subcommands in the queue so that the first subcommand to

be read from the queue is always that having the highest

priority in the queue.

15. (Original) The control system according to Claim

8, being a system for controlling a telecommunication network.

16. (Original) A computerized system with shared

resources, comprising the control system according to Claim 8.